

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, FLORIDA

Revitalize KSC High and Medium Voltage Electrical Distribution Systems (PCN 98778)

ESTIMATED VALUE OF ALL SINGLE MANUFACTURER ITEMS: \$ 106,485
ESTIMATED TOTAL VALUE OF PROCUREMENT: \$7,226,000

JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION

- 1.) Based on the justification provided herein, I recommend that an acquisition be made by other than full and open competition for the contract action described below:
- 2.) This contract action is for the acquisition of electrical medium voltage system protection, control and communication equipment manufactured by Schweitzer Engineering Laboratories (SEL) to be installed in conjunction with the Revitalize KSC High and Medium Voltage Electrical Distribution Systems project. The specific equipment items include:

<u>Item Number</u>	<u>Item Name</u>	<u>QTY</u>	<u>Cost</u>
SEL 751A	Feeder Overcurrent Relay	43	\$1800/ea
SEL 587Z	High Impedance Differential Relay	3	\$4000/ea
SEL 2407	Satellite Clock	1	\$2000/ea
SEL 2032	Communications Processor	4	\$2840/ea
EGX 100MG	Ethernet Gateway	5	\$745/ea

The total value of the single manufacturer items is approximately \$106,485. The system protection, control and communication equipment costs represents approximately 1.45% of the estimated total contract cost.

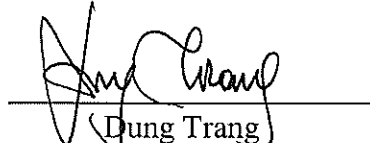
- 3.) Contracting without full and open competition is permitted pursuant to 10 U.S.C. 2304 (c) (1) because the equipment required by KSC is available from only one responsible manufacturer and no other manufacturer's equipment will fully satisfy KSC's requirements.
- 4.) There is a reasonable basis to conclude that KSC's minimum requirements can only be satisfied by the unique equipment available from Schweitzer Engineering Laboratories (SEL). This single manufacturer requirement is based on software/hardware compatibility issues, communications protocols, and on the training investment made by the government for the SEL equipment as described below:

- a. The unique combination of SEL Intelligent Electronic Devices (IEDs) and their associated Communications Processors are the only devices capable of full compatibility with the Relay Management System being installed at KSC. The Relay Management System Software (SEL 5010, 5040 and 5601 software solutions) combination is manufactured by Schweitzer Engineering Laboratories and is the engineering software used to perform system protection monitoring, IED configuration, event data collection and oscillographic analysis. This software exists in client/server form and is tailored for the SEL line of products. To optimize the full capabilities of the SEL system, other manufacturer's products cannot be used.
 - b. The SEL software allows KSC personnel to access proprietary device functions such as relay settings, communication configuration, data logging, event waveform capture, oscillographic analysis, and automatic event notification and data collection. No other off-the shelf software package allows this level of access. The use of other manufacturer's products will drive KSC to develop, at a substantial cost to the government, a new server software structure around that manufacturer's product line, creating unacceptable delays in fulfilling the agency's requirements.
 - c. Purchase of the SEL items will not require additional government costs associated with training. The government has on-site personnel trained and capable of installing, operating, and maintaining the SEL equipment.
- 5.) I hereby determine that the anticipated price of the prime contract, including the SEL equipment will be fair and reasonable. This determination is based on the belief that the competitive nature of the overall procurement will entice bidding prime contractors to seek the most advantageous pricing from SEL authorized distributors and supply houses as well as all other equipment and material supplies. Market research indicates there are more than two SEL authorized distributors.

Certification by Technical/Requirements Personnel of input for Justification for Other than Full and Open Competition.

Pursuant to FAR 6.303-2(b), I hereby certify that the supporting data furnished in support of contracting by other than full and open competition, under 10 U.S.C. 2304(c) (1), with Schweitzer Engineering Laboratories (SEL) for the purchase of electrical medium voltage system protection, control and communication equipment including its network interface equipment and management software is complete and accurate to the best of my knowledge and belief.

Technical Officer: I certify that the supporting data presented in this justification are accurate and complete


Dung Trang
TA-B3B

3/1/10
Date

Contracting Officer: I certify that this justification is accurate and complete to the best of my knowledge and belief


Mike Felker

3/1/10
Date

cc:

TA-B3B/ E. Camacho

TA-B3B/ J. Miller

TA-B3B/ D. Trang

TA-B3D/ J. Nelson

TA-B3B/ L.Kiel